Estd Cost Rs 20.0 Lakhs

Work order No: EE/DD/WO/395/17-18 Dt 27.03.18

No. D — 225001

M. A. R. 57 (Rule 116)
Measurement Book

Serial No. .....

Name of work Improvements to CC Roads and drains at Muneshwara Nagar in Bagalgunte Ward No. 14 From ..... To .....

Name of Contractor of nature of Agency D.R. Ramesh Babu. 18/4 6th A. 9 Vnd D. BSK Rajaj Nagar

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Technical Section No:	EE/DD/TS/409/17-18.					
		Dt 01.12.2017					
	Adm Sanction No :	NO EE/DD/AS/575/2017-18					
		Dt 01.12.17.					
	Head of Ac :	PWD.					
	Job Code No :	014-18-000225					
	Dt of work commenced:	09.08.18					
	Dt of work completed:	18.09.18					
	Bill No :	1st & Final					
	Bill recorded on date:	18.09.18					

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Tender Item No: 1						
	Earth work excavation by manual means in ordinary soil including all lifts average horizontal lead upto 20m and all average lift upto 1.50m excavated surface levelled and sides neatly dressed as per direction of engineer at site.						
	Quantity vide page no 225075 of this book					195.0 m³	
	by me Ne, 8.08.18						Sk Sagar
	Tender Item No. 2						
	providing and laying in pcc of mix 1:4:8 with opc Cement 180kg with 40mm and down size Jelly and Coarse aggregate @ 0.85m³						

M. A. R. 57 (Rule 116) No. D
Measurement Book 225002

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and fine aggregate @ 0.57m³ mix mixed concrete Laid in Layers not exceeding 15cm thick well compacted in foundation and plinth as directed by engineer at site.						
	Qty vide page no 225076 of this book					67.05m³	
	Tender Item No. 3						Sk Sagar
	providing and removing centering, shuttering, strutting, propping etc and removal of form work for various surfaces such as walls at any thickness, including attached pilasters etc as directed by engineer at the site						

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		4	27.0	-	0.85	91.80 m²	
		4	17.0	-	0.85	57.80 m²	
		4	28.0	-	0.85	95.20 m²	
		4	30.0	-	0.85	102.0 m²	
		4	22.0	-	0.85	74.80 m²	
		4	30.0	-	0.85	102.0 m²	
		4	8.50	-	0.85	28.90 m²	
		8	30.0	-	0.85	204.0 m²	
						756.50 m²	
			Carried to SR			748.0 m²	

Bkdayo

All Rts. Regd. Cp.

M. A. R. 57 (Rule 116)

Measurement Book

No. D 225005

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Floor Slab No. 1						
	Providing and laying in pce q mix 1:2:4 with 10mm and down size graded natural coarse aggregate ie 0.85cm and fine aggregate ie 0.15cm mix reinforced concrete floor slab in layers not exceeding 15cm thick all compacted in foundation and plinth including all cost of rebar as directed by engineer all etc						
	Ref calc.	2	27.0	0.15	0.85	6.38 m³	
		2	17.0	0.15	0.85	4.32 m³	

Bkdayo

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	28·0	0·15	0·85	7·14 m3	
		2	30·0	0·15	0·85	7·65 "	
		2	22·0	0·15	0·85	5·61 "	
		2	30·0	0·15	0·85	7·65 "	
		2	8·50	0·15	0·85	2·16 m3	
						41·42 m3	
	For bottom Grade	1	27·0	0·90	0·15	3·64 "	
		1	17·0	0·90	0·15	2·29 "	
		1	28·0	0·90	0·15	3·78 "	
		1	30·0	0·90	0·15	4·05 "	
		1	22·0	0·90	0·15	2·97 "	

M. A. R. 57 (Rule 116) No. D

Measurement Book

225004

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30·0	0·90	0·15	4·05 m3	
		1	8·50	0·90	0·15	1·14 "	
		1	10·0	0·90	0·15	1·35 "	
						64·69 m3	
			Limited to			64·50 "	

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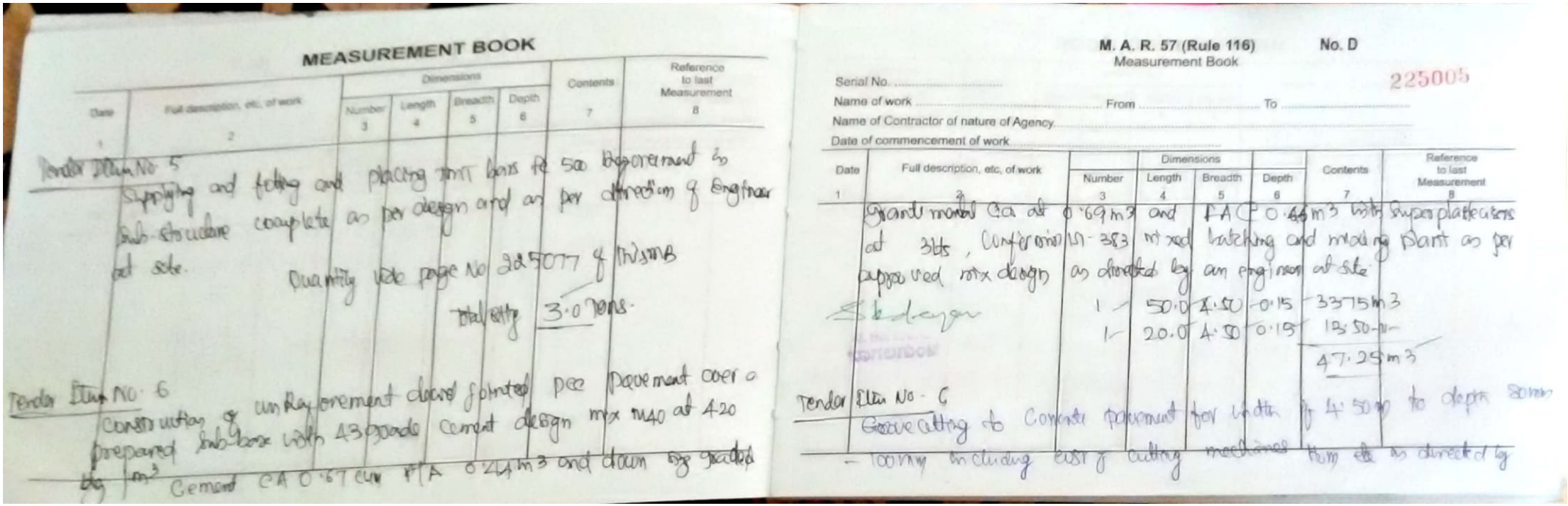

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Tender Item No 5						
	Supplying and fetting and placing mix bars fe 500 Reinforcement in Sub-structure complete as per design and as per direction of Engineer at site.						
	Quantity vide page No 225077 of this MB						
	Total qty 3.0 tons.						
	Tender Item No. 6						
	Construction of unReinforcement dowel jointed pcc pavement over a prepared Sub base with 43 grade cement design mix M40 at 4:20 by m^3 Cement CA 0.67 cum FA 0.24 m^3 and down by packed						

M. A. R. 57 (Rule 116) **No. D**
Measurement Book

Serial No. 225005
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Grade mortar Ca at 0.69 m^3 and FA C 0.46 m^3 with Superplasticizers at 3lts, Conforming to IS-383 mixed batching and mixing plant as per approved mix design as directed by an engineer at site						
	Slab Layer	1	50.0	4.50	0.15	3375 m^3	
		1	20.0	4.50	0.15	1350 m^3	
						47.25 m^3	
	Tender Item No. 6						
	Groove cutting to Concrete pavement for width of 4.50 m to depth 80mm - 100mm including cost of cutting machines Hire etc as directed by						

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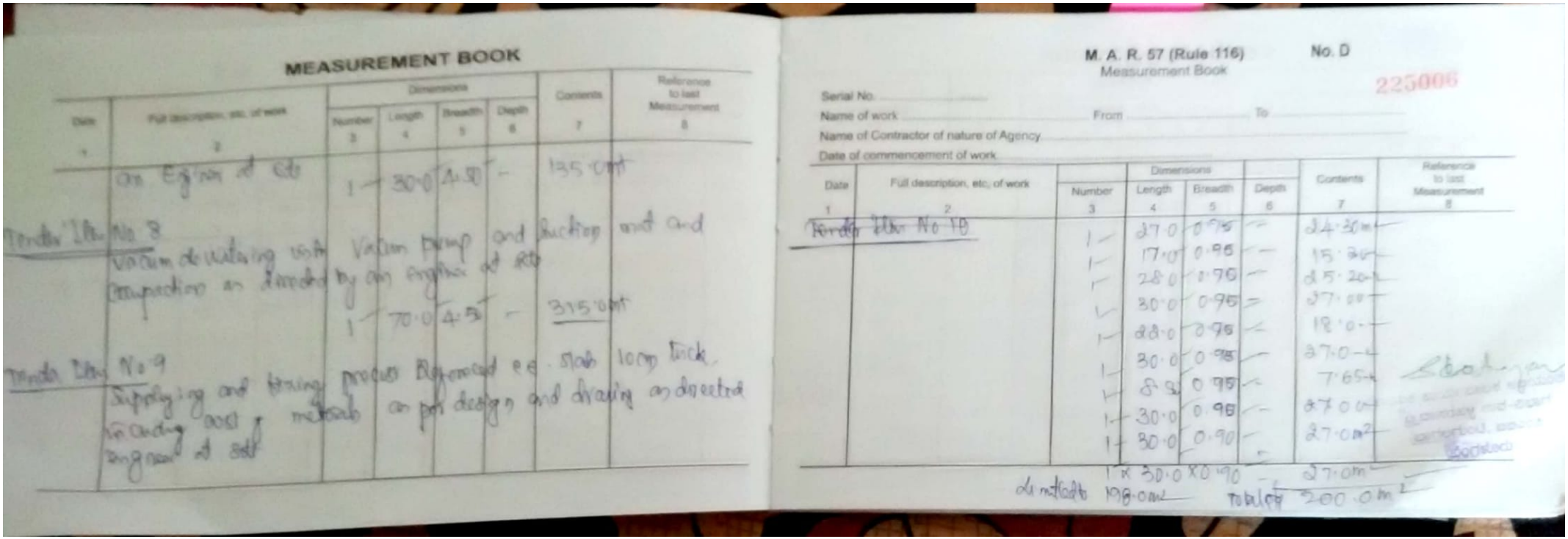

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	On Eg'ion at Gb	1	30·0	4·50	–	135·0mt	
Tender Ltr No 8	Vacuum dewatering with Vacuum pump and suction unit and compaction as directed by an engineer at RD						
		1	70·0	4·5	–	315·0mt	
Tender Ltr No 9	Supplying and fixing precast Reinforced c.c. Slab 10cm thick including cost of materials as per design and drawing as directed by engineer at site						

M. A. R. 57 (Rule 116) No. D
Measurement Book

225006

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
~~Tender Ltr No 10~~		1	27·0	0·95	–	24·30m²	
		1	17·0	0·95	–	15·30	
		1	28·0	0·95	–	25·20	
		1	30·0	0·95	–	27·00	
		1	20·0	0·95	–	18·0	
		1	30·0	0·95	–	27·0	
		1	8·5	0·95	–	7·65	
		1	30·0	0·95	–	27·00	
		1	30·0	0·90	–	27·0m²	
			1 × 30·0 × 0·90		–	27·0m²	
						total 200·0m²	

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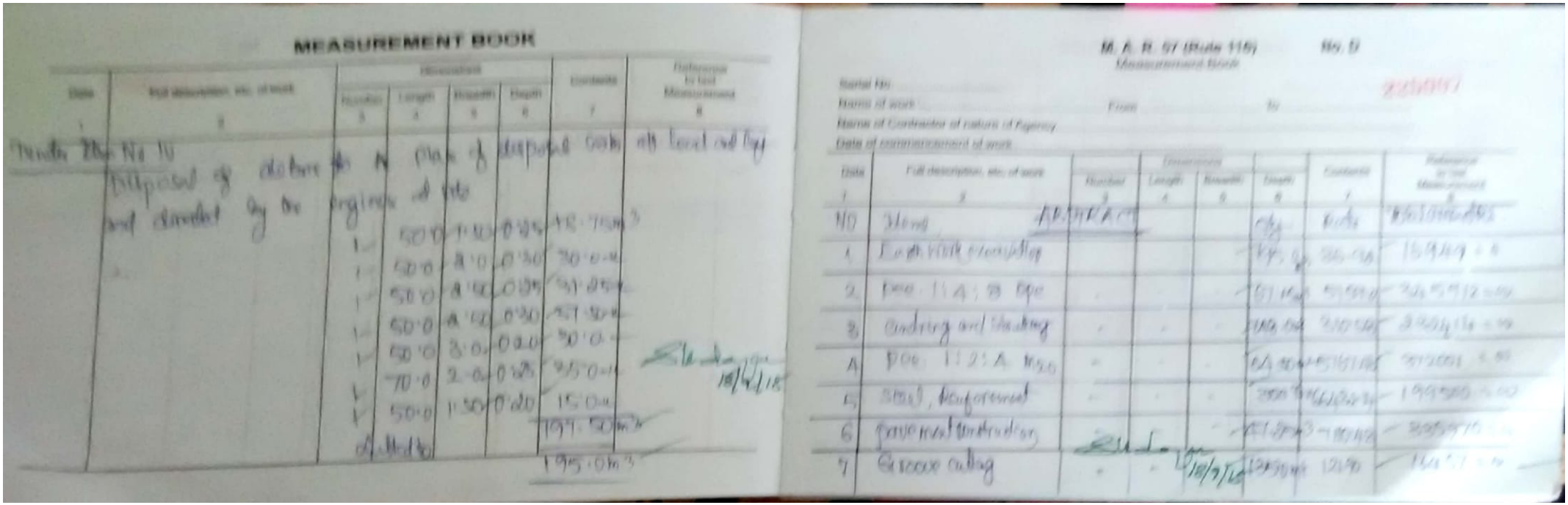

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
Tender No: No 10							
	Disposal of debris as per plan & disposal costs all lead and lift and directed by the engineer at site						
		1	50.0	1.50	0.25	18.75 m³	
		1	50.0	8.0	0.30	30.0 m³	
		1	50.0	8.50	0.25	31.25 m³	
		1	50.0	8.50	0.30	37.50 m³	
		1	50.0	3.0	0.20	30.0 m³	
		1	70.0	2.0	0.25	35.0 m³	
		1	50.0	1.50	0.20	15.0 m³	
						197.50 m³	
	Deduct					195.0 m³	

18/4/18

M. A. R. 57 (Rule 115) Rs. 9

Measurement book

Serial No: 225091

Name of work: From: To:

Name of Contractor or nature of Agency:

Date of commencement of work:

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
NO	Head						
1	Earthwork excavation						
2	Pcc 1:4:8 Bpc						
3	Centering and shuttering						
4	Pcc 1:2:4						
5	Steel, reinforcement						
6	Brickwork foundation						
7	Excavation						

18/9/18

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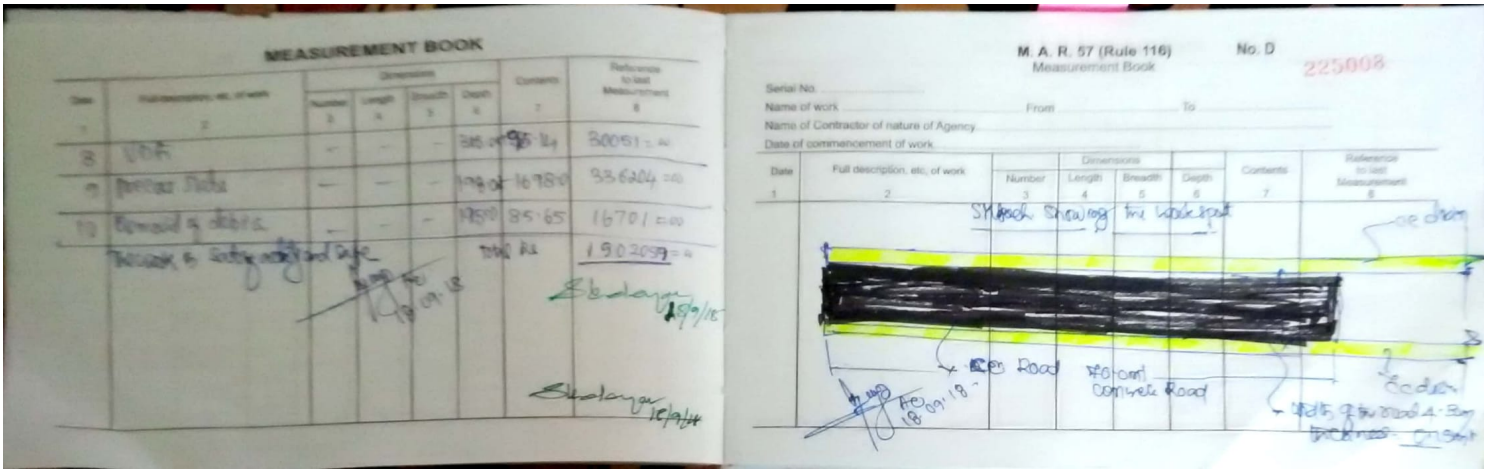

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
8		—	—	—			
9		—	—	—			
10		—	—	—			

M. A. R. 57 (Rule 116) No. D

Measurement Book

225008

Serial No.

Name of work From To

Name of Contractor of nature of Agency

Date of commencement of work

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8

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